

INTERNATIONAL SEARCH REPORT

Inter. application No
PCT/IB 03/02224

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01Q5/00 H01Q1/38 H01Q1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/015701 A1 (KAWAHATA KAZUNARI ET AL) 23 August 2001 (2001-08-23) abstract	1-4, 12-14
X	US 2001/050643 A1 (EGOROV IGOR ET AL) 13 December 2001 (2001-12-13) abstract	1,3,13, 14
A	US 6 166 694 A (YING ZHINONG) 26 December 2000 (2000-12-26) abstract	1-14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

15 August 2003

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22/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	<p>PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) & JP 2002 271129 A (HITACHI LTD; HITACHI METALS LTD), 20 September 2002 (2002-09-20) abstract</p> <p>-----</p>	<p>1-3, 12, 13</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. App. No.

PCT/IB 03/02224

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